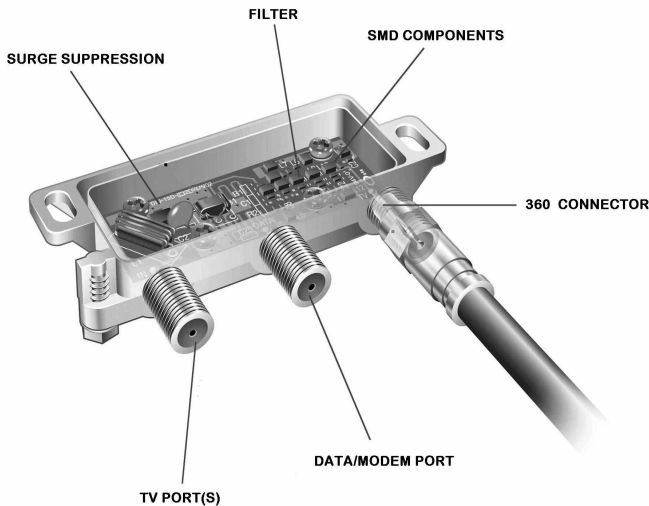


# DIU SERIES

## Digital Interface Unit



The Digital Interface Unit (DIU) is a low cost, efficient and compact unit that provides the proper interface for digital service in a CATV system at the subscriber's home. The current approach is to connect several drop components with cable on the side of the subscriber's home. The standard collection of units is a ground block or surge suppressor, a splitter or directional coupler followed by a high pass filter or a window filter. These units are interconnected with coaxial cables. The DIU replaces this collection of individual components with a single unit.

The DIU may be configured into any combination of components needed. Cable Innovations currently has several different designs of DIU's and is continuing to develop more. We can also design a unit to fit your exact requirements.

Each DIU contains Cable Innovations patented solid state surge suppression circuit which not only protects the DIU but also protects other drop components including the subscribers electronic equipment.

The DIU's combination of efficiency, simplicity of installation, and superior surge protection makes it the clear choice when installing cable modem service.

## FEATURES

- ◆ Voltage Blocking Capacitors on all ports to prevent ferrite core saturation
- ◆ Dual adjustable mounting tabs for easy installation
- ◆ Chromate zinc housing for superior corrosion resistance
- ◆ Patented surge suppression, other patents pending
- ◆ Soldered brass back plate to prevent rusting and provide superior EMI
- ◆ SCTE compliant "F" ports with 360 degree contact
- ◆ Surge testing ANSI C-62.41 (IEEE 587)
- ◆ SCTE approved grounding screw and ground wire connection
- ◆ Operating temperature (Ambient) -40 to +140 Degrees Fahrenheit 40 to +60 Degrees Celsius (Centigrade)
- ◆ Two (2) Year Warranty
- ◆ SMD Components for more precise specs and superior digital performance
- ◆ Meets NEC 830-30
- ◆ ISO 9001\*

See back for further specifications and applications.

**CABLE**<sup>®</sup>  
I N N O V A T I O N S



130 Stanley Ct. Lawrenceville, GA 30045  
800-952-5146 Fax 770-962-6133  
www.cableinnovations.com

Specifications subject to change without notice.  
\*The DIU Series is manufactured in an ISO9001 facility



# DUI-SERIES

Digital Interface Unit

## Surge Specifications

Switching Voltage	135V Peak Min 165V Peak Max
Response Time	Less than 1 nanosecond
Current Suppression	500 Amps (2 x 10us)

## Currently Available Models

MODELS	PORTS (Output)	FILTER	S/DC	SURGE PROTECTION
DIU-15D-1	2	HPF	S	Y
DIU-15D-1-3P	3	HPF	S	Y
DIU-15D-1-4P	4	HPF	S	Y
DIU-15D-2	2	8-10	S	Y
DIU-15D-3	2	5-13	S	Y
DIU-15D-3-3P	3	5-13	S	Y
DIU-15D-3-4P	4	5-13	S	Y
DIU-15D-4	2	HPF	DC-6	Y
DIU-15D-5	2	8-10	DC-6	Y
DIU-15D-6	2	5-13	DC-6	Y
DIU-15D-7	2	HPF	DC-9	Y
DIU-15D-8	2	8-10	DC-9	Y
DIU-15D-9	2	5-13	DC-9	Y
DIU-15D-10	2	none	DC-6	Y
DIU-15D-11	2	none	DC-9	Y
DIU-15D-12	2	none	S	Y
DIU-15D-12-3P	3	none	S	Y
DIU-15D-12-4P	4	none	S	Y

HPF= High Pass Filter S=Splitter DC=Directional Coupler

Specifications subject to change without notice.

*Specification for each DIU may be obtained by calling Cable Innovations at 800-952-5146 or on the web at [www.cableinnovations.com](http://www.cableinnovations.com)*

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